

Curriculum distribution for Computer & Information Technology First Primary – First semester

Relate activities	Beginning of the week	Activity	No. week
-Identify the requirements to run the computer.		Requirements to run a computer	1
-diagnosis of some minor problems or reasons why your computer doesn't operate - shut down the computer safely.			2
-distinguish between the physical components of the computer -distinguish between primary colors.		Color computer components	3
-Coloring computer hardware on paper. Or by using a computer program. -Coloring computer components using computer program			4
-Collection of various examples related to computer usage in our daily lives.		The importance of computer in our lives	5
			6
-Make some simple calculations using the computer.			7
-Draw geometric shapes using paint program. - Distinguish between different sizes		Distinguish between sizes and shapes	8
			9
-Distinguish between different shapes.			10
-Distinguish the five senses of a human person. -Identify the purpose of each sense.		The human senses and Computer input Devices	11
			12
-Distinguish between computer input units.			13
-Perceive the similarities between the human senses and input units.			
Revision			14
Practical evaluation for the semester.			15
			16

Teacher

Supervisor

Director

Director



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

Computer operating requirement

Objective:-

At the end of this lesson the students know:

- ✓ Specifies the requirements to run the computer.
- ✓ Diagnose some of the problems and the reasons for not running the computer.
- ✓ Close the computer in a secure way.

The lesson:

Computer components:-

1. Input units.
2. Output units.
3. System unit.

Definition of computer:-

A computer is an electronic set which has the ability to receive a great deal of data.

- Computer is very useful set for man in all his tasks such as :-

Education – space – playing games – banks – medicine – industry.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

Color computer components

Objective:-

At the end of this lesson the students know:

- ✓ Distinguish between the physical components of the computer.
- ✓ Distinguish between primary colors.
- ✓ Color computer components on paper or using a computer program.

The lesson:

∞ Input:

You communicate with the computer via an input device such as:

➤ Mouse.



∞ Keyboard.



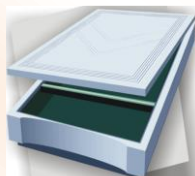
➤ Joystick.



∞ Microphone



➤ Scanner.



∞ Digital camera.



➤ Light pen.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

Color computer components

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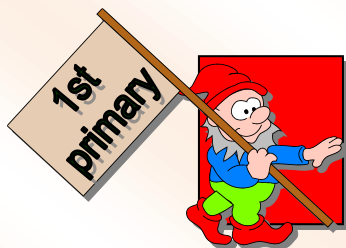
The lesson:

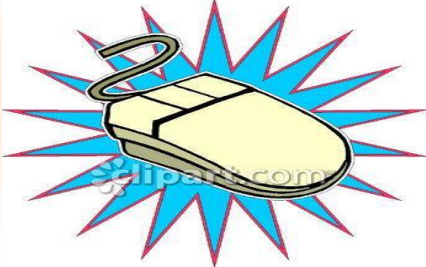



Computer Requirements:

1. Hardware.
2. Software.

Computer components

Keyboard	Monitor
	



Mouse	Speaker
	
CPU	Microphone
	

Class			
Date			
Period			

Color computer components

Objective:-

At the end of this lesson the students know:

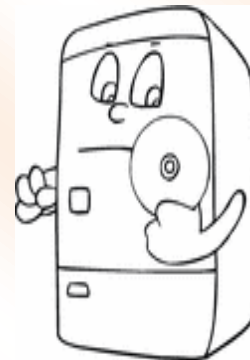
- ✓ Distinguish between the physical components of the computer.
- ✓ Distinguish between primary colors.
- ✓ Color computer components on paper or using a computer program.

The lesson:

Color computer components:-



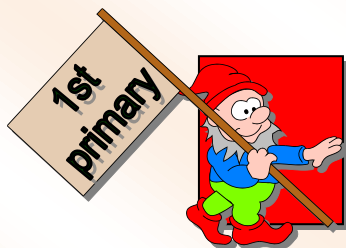
((MONITOR الشاشة))



((وحدة التشغيل C.P.U))



((الفأرة MOUSE))



Class			
Date			
Period			

Importance of computer in our daily lives


Objective:-

At the end of this lesson the students know:

- ✓ Presents three different examples of the use of computers in our daily lives.
- ✓ Being some simple calculations using the computer.
- ✓ Draws simple geometric forms using the Paint program.

The lesson:


In education:-

-  It helps you to do some arithmetical progress type letters, games, paint, do experiments, and learn language.

In medicine:-

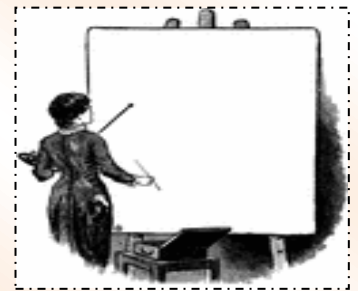
-  It helps doctors diagnose diseases.

In bank:-

-  A customer can deal with his account in the bank by card to be put in a machine for distributing cash.

In industry:-

-  It helps in designing and marking cars.



Class			
Date			
Period			

Importance of computer in our daily lives

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The lesson:

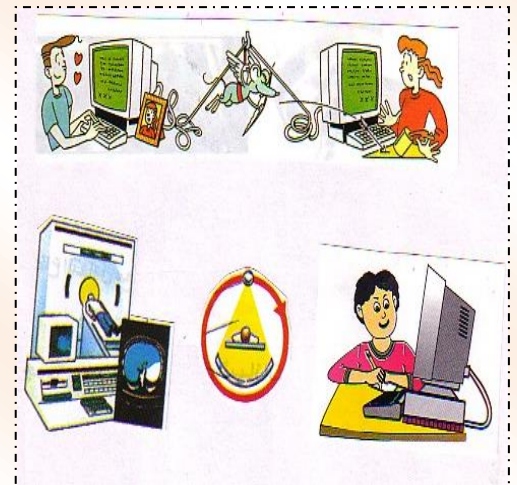
In aviation:-

Control within the cockpit plane and be linked to the computer and the pilot can control the plane from which.



In communication:-

Can exchange information and send messages via the computer and this is called (e-mail) And the computer can perform the function of the post office through the formation of electronic networks.



In the Game& and entertainment:-

Enters in the industry as possible after the games and play some games on the computer, such as chess and other fun games.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

Different shapes of computer

Objective:-

At the ends of this lesson the students know:

- ✓ Distinguish between different sizes.
- ✓ Distinguishes between different forms.

The lesson:

Computer types

Pc: a pc is a computer designed by IBM in 1981. Many different companies make PCs, but all of them are IBM-compatible. What this means according to Bill Gates, is that all run Microsoft windows.

Capacity: Average hard disk size is from 40GB to 120GB.

Speed: Average speed is from 1GHz to 3GHz.

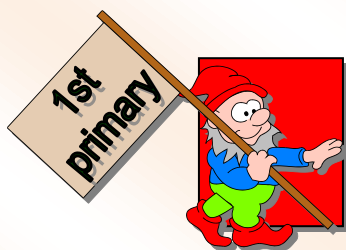
Cost: fairly inexpensive.

Mainframe: A mainframe is a big powerful, expensive computer that can support many users at the same time. Large businesses and organizations use mainframes.

Capacity: capacity of several hundred or even thousands of PCs.

Speed: much faster than PCs.

Cost: highly expensive.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

Different shapes of computer

Objective:-

At the ends of this lesson the students know:

- ✓ Distinguish between different sizes.
- ✓ Distinguishes between different forms.

The lesson:

Computer types

Macintosh: Macintosh (Mac) is a computer but it is not a PC. Macs have a different operating system and use their own software and hardware.

Capacity: Average hard disk size is from 40GB to 120GB.

Speed: ranges from 500MHz to 3 GHz.

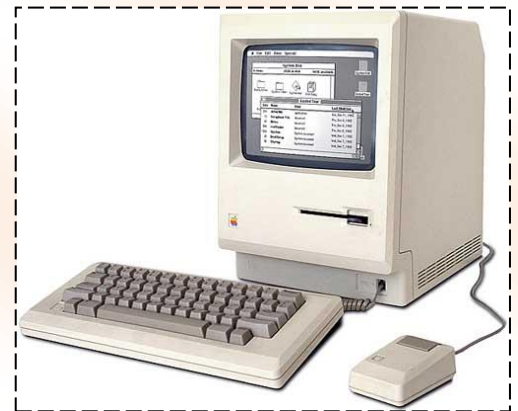
Cost: fairly inexpensive but usually costs more than an equivalent PC.

Laptop: A laptop or notebook is a lighter and more portable version of a PC or Mac that can run on batteries.

Capacity: Average hard disk size is from 20GB to 80GB.

Speed: fast but slightly slower than a PC. Its average speed is from 700MHz to 3 GHz.

Cost: fairly inexpensive but costs more than an equivalent PC.



<i>Class</i>			
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<i>Period</i>			

Different shapes of computer

Objective:-

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- ✓ Distinguish between different sizes.
- ✓ Distinguishes between different forms.

The lesson:

Computer types

Server: A server computer is a central computer attach to a network where users on the network can save their files and information.

Capacity: Greater than a PC often more than 160GB.

Speed: Generally faster than a PC may use multiple CPUs.

Cost: More expensive than a PC but not as expensive as a mainframe.

Personal Data assistant (PAD): Is a handheld appointments and addresses and stores small file.

Capacity: Much smaller than a PC-64MB to 8G of storage space.

Speed: Much slower than a PC-8Mhz to 266MHz.

Cost: Expensive when compared to the capacity of a PC.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

PC Input units

Objective:-

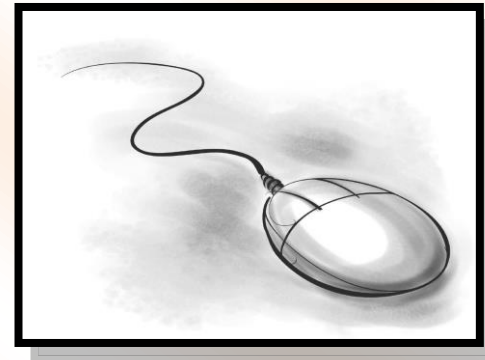
At the ends of this lesson the students know:

- ✓ Distinguishes the five senses of the human being.
- ✓ The purpose of each sense, recognize and enter the computer units.
- ✓ Recognize similarities between the human senses and enter the computer units.

The lesson:

Mouse:

- The unit enter Computer.
- Mouse named because they resemble mouse.
- Mouse key soft keys left key right.
- Mouse cursor appears as an arrow on the screen and also has other forms.




Uses the mouse: -

- Reference images and graphics.
- Choice or select and move images.
- Move the mouse function icons and open and close windows.

Keyboard:

- Function keyboard writing letters and numbers.
- Is a unit of computer units enter.
- Keyboard consisting of letters, numbers and symbols.

 The keyboard is divided into: -

- Numeric keypad.
- Basic keyboard and no keys for shares.
- All that is written through the keyboard appears on the screen.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

PC Input units

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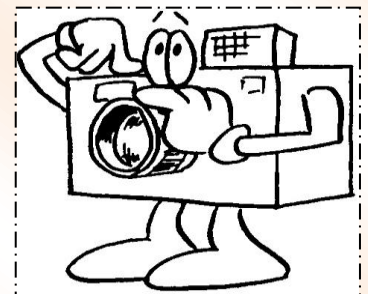
- ✓ Distinguishes the five senses of the human being.
- ✓ The purpose of each sense, recognize and enter the computer units.
- ✓ Recognize similarities between the human senses and enter the computer units.

The lesson:

Microphone: Microphone function we enter the computer's sound.



Camera: Digital cameras have become a means of data entry as images and video files of data that may be very important. Add to that the prices are affordable for everyone ne.



Light Pen: It is a pen-like device in the shape and looks like a mouse in his work, but it differs from the mouse in that it comes reference them from the inside, while referring comes from abroad. Most of the used class engineers and painters.



<i>Class</i>			
<i>Date</i>			
<i>Period</i>			

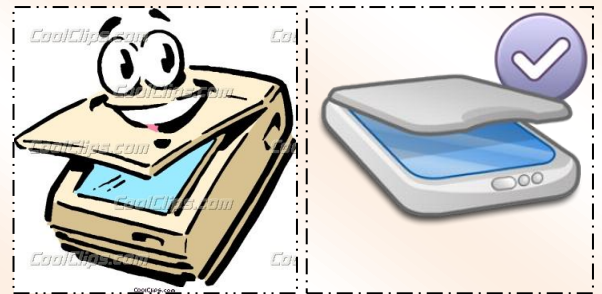
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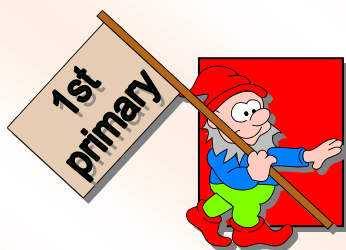
The lesson:

Scanner: Is a device used to introduce images to a computer via photographed, it has evolved so dramatically that it is no longer confined to pull images in paper only, but is also used for filming models.



Joystick: Is the installed base stick moveable in all directions, and connected to one of the computer ports are mostly used to control the movement of games.

Of course this is not all the methods used in computer data entry, but the most important and most prevalent, because there are a lot of other means we are exposed to it because they are used in very narrow limits in specialized facilities as monitoring and other tools.



Title Lesson

What's the Devices?

Day	Sunday	Monday	Tuesday	Wednesday	Thursday	lesson description					
Date						Action	Introduction	Warm Up	Activity1	Activity2	evaluation
Interval						Time					
class						notice					

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognize components of computer.
- * Sets the role of electricity in the running of your computer.
- * Colleagues participate in the coloring pictures.

Learning Aids

Computer
Picture
Data show
White board

Learning Method

Discussion - ability to choose –
Groups

Activities In The Class

Identifies some of the electrical devices,
including computer

Activities Out SIDE The

Collection pictures of some home
devices

Warm Up

What's the Devices ?

Lesson Presentation

"What is a computer"?

- A computer is a very useful set to man.
- A computer work with electricity.

Electrical appliances in the house:-



Evaluation

Complete the following

A computer

A computer

Title Lesson

Computer components

Day	Sunday	Monday	Tuesday	Wednesday	Thursday	lesson description					
Date						Action	Introduction	Warm Up	Activity1	Activity2	evaluation
Interval						Time					
class						notice					

Objective

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Learning Aids

Computer
Picture
Data show
White board

Learning Method

Discussion - ability to choose –
Groups

Activities In The Class

Distinction the computer's components

Activities Out SIDE The

Draw a picture of the components of
computer

Warm Up

What are components of the computer?

Lesson Presentation

What are components of the computer?



Keyboard



mic



mouse



monitor



printer



speaker



C . P . U

Evaluation

Components of the computer,,

.....,,,

Title Lesson

Places that used the computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognize the uses of computers in various fields of life.
- * answering questions that revolve around the subject of activity.
- * respects the views of his colleagues..

Learning Aids

Computer
Picture
Data show
White board

Learning Method

Discussion - ability to choose –
Groups

Activities In The Class

Known uses of computers in various fields
of life.

Activities Out SIDE The

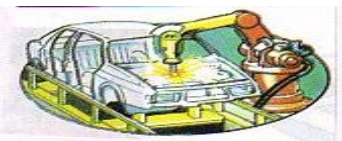
Compilation of set of pictures of the

computer in different places.
Do you any of them use the computer?

Warm Up

Lesson Presentation

Where is computer uses?



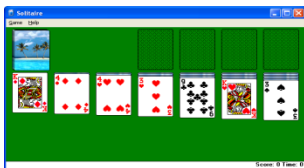
Used in school



Uses at home



Used in the factory ☐



Used in the Games



Used in banks



Uses in the office



Used in shops



Uses hospitals



Uses the train station

Evaluation

Where is computer uses?.....,.....

Title Lesson

Places that used the computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognize the uses of computers in various fields of life.
- * answering questions that revolve around the subject of activity.
- * respects the views of his colleagues..

Learning Aids

Computer
Picture
Data show
White board

Learning Method

Discussion - ability to choose –
Groups

Activities In The Class

Known uses of computers in various fields
of life.

Activities Out SIDE The

Warm Up

Compilation of set of pictures of the computer in different places.
Do you any of them use the computer?

Lesson Presentation

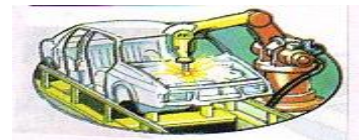
Where is computer uses?



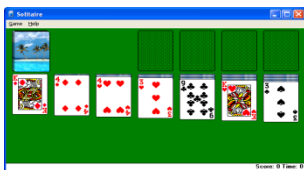
Used in school



Uses at home



Used in the factory ☐



Used in the Games



Used in banks



Uses in the office



Used in shops



Uses hospitals



Uses the train station

A computer is used at school

A computer is used at home

A computer is used at factory

Evaluation

A computer is used at

A computer is used at

A computer is used at

Title Lesson

People who use computer

Class : / /

Time : / /

Date : / / 201..

Class : / /

Time : / /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognition about People who use computer.
- * Acquire the skill describe things.
- * Links between the profession of the person using the computer.

Learning Aids

Computer
Picture
Data show
White board

Learning Method

Discussion - ability to choose –
Groups

Activities In The Class

Knows people who use computer

Activities Out SIDE The

Collection pictures of about People who use computer

Warm Up

People who use computer?

Lesson Presentation

People who use computer?

The computer can help main in all his works.

Doctor



Teacher



Accountant

Student



Evaluation

Complete the following

People who use computer/...../.....
...../...../.....

Title Lesson

People who use computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

**Expected at the end of this lesson
that student should be able to:-**

- * Recognition some of those who use computer.**
- * sets the profession of the person the computer using.**
- *feels the importance the computer.**

Learning Aids

**Computer
Picture
White board**

Learning Method

**Discussion – peer learning –
Groups**

Activities In The Class

Write one sentence on the uses of computer

Activities Out SIDE The

Collection pictures of about People who use computer

Warm Up

who uses the computer?

Lesson Presentation

There are people who use the computer in work

The computer can help main in all his works.

Doctor in the hospital



Teacher in the school



Accountant in the bank

Student in the school or game



((Computer is very useful for human has work))

Evaluation

Complete the following

- 1- Computer is very useful for
- 2- The computer can help in all his works

Title Lesson

Components of the computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * known what the Components of the computer?.
- * used the computer to play.
- *feels the importance the computer.

Learning Aids

Computer
Picture
White board

Learning Method

Discussion – peer learning –
Groups

Activities In The Class

Known the Components of the computer

Activities Out SIDE The

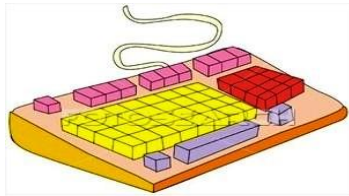
some pictures of Components of the computer

Warm Up

What the Components of the computer?

Lesson Presentation

What the Components of the computer?



Keyboard



system unit



Monitor



Printer



Speaker



Mouse



Mic



Camera



Scanner

Evaluation

Complete the following

Components of the computer

.....

Title Lesson

Components of the computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * known what the Components of the computer?.
- * used the computer to play.
- *links the components the computer.

Learning Aids

Computer
Picture
White board

Learning Method

Discussion – peer learning –
Groups

Activities In The Class

Known the Components of the computer

Activities Out SIDE The

Drawing pictures of Components of the computer

Warm Up

What the Components of the computer?

Lesson Presentation

What the Components of the computer?

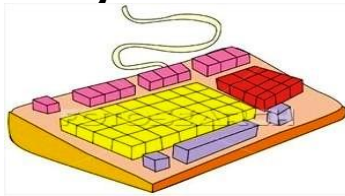


*Is components hardware.

What is a hardware ?

*it is the unit's you can see and fell all

- Input



- Out put



_system unit



Evaluation

Complete the following

Components of the computer

.....

Title Lesson Function computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognize some of those who use the computer?
- * Sets the profession of person using the computer.
- * feel students happy to use a computer.

Learning Aids

Computer
Picture
White board

Learning Method

Discussion – Groups

Activities In The Class

Used Calculator in the calculations

Activities Out SIDE The

Drawing pictures of Components of the computer

Warm Up

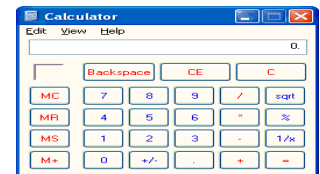
What does the computer help you to do?

Lesson Presentation

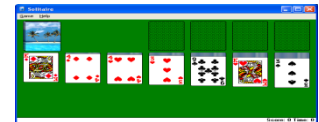
What does the computer help you to do?

The computer helps the teacher to the

Arithmetic



Play



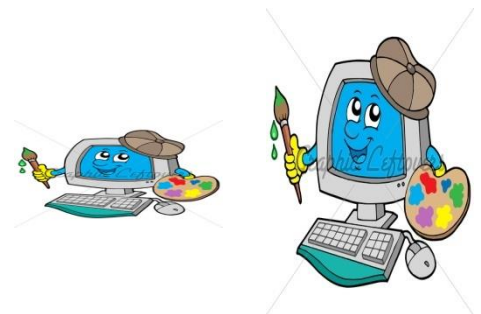
Typing



Painting



Comparing



Evaluation

Complete the following

The computer helps the teacher to the

.....,.....,.....,.....

Title Lesson Function computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson
that student should be able to:-

- * Recognize some of those who use the computer?
- * Sets the profession of person using the computer.
- * feel students happy to use a computer.

Learning Aids

Computer
Picture
White board

Learning Method

Discussion – Groups

Activities In The Class

Used the computer to do the arithmetic operation

Activities Out SIDE The

Drawing pictures of Components of the Computer

Warm Up

What does the computer help you to do?

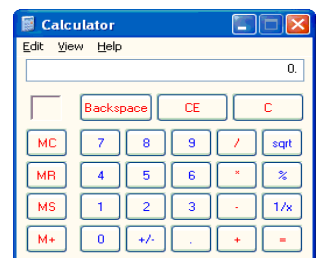
Lesson Presentation

What does the computer help you to do?

The computer helps you to do the arithmetic operation

Steps run the calculator:

- 1 - Open Start menu,
- 2- Choose All Programs
- 3 - Choose the Accessories
- 4- Choose the program calculator



Evaluation

Complete the following

Steps run the calculator:-

1-.....

2-.....

3-.....

4-.....

Title Lesson Type with your Computer

Class : /

Time : /

Date : / / 201..

Class : /

Time : /

Date : / / 201..

Objective

Expected at the end of this lesson that student should be able to:-

1-Can write in Arabic and English

2 - Conversion of the language Arabic to English Language can use Shift key + alt

3-Recognizes the importance of the keyboard

Learning Aids

Computer
Picture
White board

Learning Method

Groups

Activités In The Class

know to Jobs and the main motherboard keys

Activitésout side The Class

work album photos to used keyboard in writing

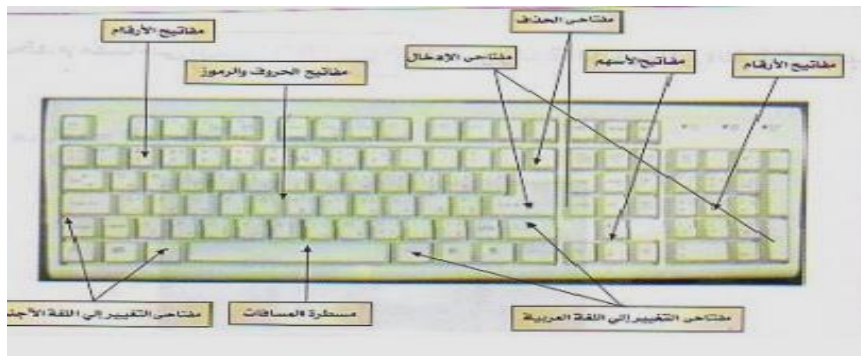
Ask the students describe the keyboard

Lesson Presentation

Description of the keyboard:-

*The Keyboard divided in to three parts

1-Digital painting 2- Keys of letters and symbols 3- function keys



With important keys on your keyboard

- * **Space Bar**
- * **Enter**
- * **Del / Backspace**
- * **Shift**
- * **Alt**

- Students discussed in the function of each key on the unit and reach them to the importance of each key in the text of his book either Arabic or English

Evaluation

Put (✓) or (✕) in the front of the statement

- 1-computer allow to write in Arabic by press Alt+Shift right ()
- 2-to make space between two words press shift()
- 3- to delete letter press ()

Title Lesson Notice is Known as

Class : / /

Time : / /

Date : / / 201..

Class : / /

Time : / /

Date : / / 201..

Objective

Expected at the end of this lesson that student should be able to:-

- 1-know uses different of mouse
- 2-Used of the mouse
- 3-link between the movement of mouse

Learning Aids

Computer
Picture
White board

Learning Method

Discussion- Cooperative learning-
Groups

Activités In The Class

Know to use the mouse

Activités out side The Class

used the mouse to drawing of with
thewriting of data

Warm Up

How uses mouse in writing?

Lesson Presentation

Mouse:-

It is one of input units to the computer



The definition of a mouse: -

is a unit of input to the computer and so named because it resembles a mouse



*Uses mouse in the computer

Move

Pointing

Selection



Evaluation

Complete

Uses mouse in the computer

1-.....

2-.....

3-.....

Title Lesson

Solve the mystery

Class : / /

Time : / /

Date : / / 201..

Class : / /

Time : / /

Date : / / 201..

Objective

Expected at the end of this lesson that student should be able to:-

- 1-know components of computer unit
- 2- used of printing to print photo of units input and output
- 3-link between input units and output units

Learning Aids

Computer
Picture
White board

Learning Method

Discussion- Cooperative learning-
Groups

Activités In The Class

Know different between input units
and output units

Activités out side The Class

Print photo of units input and
Output

Warm Up

What's different between input units and output units?

Lesson Presentation

***the units which can record their voices and hear what was Recorded**

(Speakers – micro phone)



***the units which can used it to write it on your computer and print of paper and you can take copy of paper and save her to computer (Keyboard – Printer – Scanner)**



***How can i see or the introduction of these pictures to your computer (Scanner – Digital camera – Screen)**



Evaluation

Complete

the units which can record their voices and hear what was Recorded

1-.....

2-.....

Title Lesson System unit

Class : / /

Time : / /

Date : / / 201..

Class : / /

Time : / /

Date : / / 201..

Objective

Expected at the end of this lesson that student should be able to:-

- 1-know what's meaning of system unit
- 2- used input and output units
- 3-link between input units and output units

Learning Aids

Computer
Picture
White board

Learning Method

Discussion- Cooperative learning-
Groups

Activités In The Class

Know what's meaning of system unit

Activités out side The Class

Print photo of system unit

Warm Up

What's meaning of system unit?

Lesson Presentation

***System unit:-**

Is important unit in the computer components

***System unit:-**

Working to connect the device with electricity



Evaluation

Complete

***System unit**

Is important unit in